

MAG6242

24-Port Gigabit Network Switch



Description

The MAG6242 gigabit network switch with 2 optical and 24 electrical ports has 24 Gigabit 10/100/1000M network ports and 2 Gigabit SFP optical slots. It has 64Gbps backplane bandwidth and 42Mpps packet transfer performance. MAG6242 gigabit network switch provides simple and convenient installation and maintenance methods and rich business features to help users build safe, reliable, and high-performance networks. It can be widely used in network monitoring and wireless coverage scenarios such as small and medium-sized enterprises, Internet cafes, hotels, factories, parks, and schools.

The MAG6242 gigabit network switch, with its strong big data processing capabilities, professionalism, flexibility, durability, and stability, is suitable for various networking scenarios. Its combination of gigabit network port and optical port can meet the growing demand for big data, and is deeply loved by engineering companies. It has become the most ideal choice for small and medium-sized engineering and large-scale engineering edge products.

Features

- 24 Gigabit RJ45 ports and 2 Gigabit SFP optical slots for flexible networking
- 64Gbps switching capacity and 42Mpps forwarding rate for high-performance data transfer
- Industry-leading large cache network chip ensures smooth big data processing
- Supports IEEE 802.3x flow control for reliable, high-speed forwarding
- Carrier-grade switching power supply with lightning, overvoltage, and surge protection
- Wide voltage range 90–264V AC ensures stable operation under varying conditions
- Supports 4K MAC address table with dynamic/static addresses and automatic aging
- Compliant with IEEE 802.3i/802.3ab/z/802.3af/802.3at standards
- Meets IEC61000-4-2 lightning and ESD protection standards

Model	MAG6242
Downstream port	24 10/100/1000M RJ45;
Upstream port	2 Gigabit SFP optical slots Combo
Switching Capacity	64Gbps
Forwarding Rate	42Mpps
MAC Address Table	Support 4K MAC address table, dynamic and static address table Supports automatic aging of MAC address table, bidirectional learning
Protocol Standard	IEEE 802.3i 10Base-TX; IEEE 802.3i 10Base-TX; IEEE 802.3ab/z 1000Base-TX; IEEE 802.3x Flow Control; IEEE 802.3af DTE Power via MDI; IEEE 802.3at DTE Power via MDI; ANSI/IEEE802.3N-Wa;
Lightning Protection Characteristics	IEC61000-4-2(ESD)15KV(air), 8KV(contanc) meet IEC61000-4-2 (ESD) ±15KV (air), ±8KV (contanc); can withstand 8/20us 24A (12A) energy
Environmental Requirements	Long term working temperature: -10~55 °C Long term working relative humidity: 10%~90% (without condensation)
Power Supply	AC: Rated voltage range: 100-240V AC; 50/60Hz Maximum voltage range: 90-264V AC; 50/60Hz
Product Dimension	440*180*44.5mm(W*D*H)
Product Weight (kg)	<2.6Kg Note: Bare machine, including the weight of AC power supply, excluding the weight of DC adapter, excluding packaging materials and accessories.